

Determine whether EFGH is a parallelogram, a rectangle, a rhombus, or a square for each set of vertices. State yes or no for each and explain why or why not. Show work to support the explanations.

8. M(1, 5), N(6, 5), O(6, 10), P(1, 10)

9. W(5, 4), X(3, -6), Y(0, -10), Z(2, 0)

parallelogram:

rectangle:

rhombus:

square:

parallelogram:

rectangle:

rhombus:

square:

---

10. D(1, 10), E(-4, 0), F(7, 2), G(12, 12)

11. R(5, 6), E(7, 5), S(9, 9), T(7, 10)

parallelogram:

rectangle:

rhombus:

square:

parallelogram:

rectangle:

rhombus:

square:

Determine whether  $WXYZ$  is a parallelogram, a rectangle, a rhombus, or a square for each set of vertices. State yes or no for each and explain why or why not. Show work to support the explanations. For example, if you say the sides are parallel then you need to calculate the slopes.

29.  $W(5, 6), X(7, 5), Y(9, 9), Z(7, 10)$

Parallelogram:

Rectangle:

Rhombus:

Square:

30.  $W(-3, -3), X(1, -6), Y(5, -3), Z(1, 0)$

Parallelogram:

Rectangle:

Rhombus:

Square:

Determine whether  $EFGH$  is a parallelogram, a rectangle, a rhombus, or a square for each set of vertices. State yes or no for each and explain why or why not. Show work to support the explanations. For example, if you say the sides are parallel then you need to calculate the slopes.

31.  $E(0, -3), F(-3, 0), G(0, 3), H(3, 0)$

Parallelogram:

Rectangle:

Rhombus:

Square:

32.  $E(2, 1), F(3, 4), G(7, 2), H(6, -1)$

Parallelogram:

Rectangle:

Rhombus:

Square: